



**LINK ELECTRONICS, INC.**

## SERIAL DIGITAL DISTRIBUTION AMPLIFIER MODEL LEI-555



MADE IN THE USA



### FEATURES

- ◆ Serial Digital Input
- ◆ Re-Clocking
- ◆ Six Serial Outputs
- ◆ Fault Indication
- ◆ Re-Shaped
- ◆ Equalized
- ◆ Composite & Component

The LINK LEI-555 serial distribution amplifier restores the incoming signal to its proper amplitude. The signal is reshaped with automatic equalization, re-slicing and DC restoration. The LEI-555 re-clocks the input signal for distribution over longer distance cables, up to 500 feet. Six outputs are provided on the rear panel.

A module fault LED on the front panel indicates a weak signal or no input signal present. The sensitivity of the LED indicator may be adjusted to suit the users needs.

The LEI-555 input signal is may be composite 143Mb/s or component 270Mb/s. An internal jumper selects the desired standard. The unit has two LED's that show power supply status and signal present.

The LEI series digital products are compact design that allow three modules to mount in the PRT-700 mounting tray.

Backed by Link's 10-year warranty, the LEI-555 will provide years of outstanding performance.

# MODEL LEI-555 SERIAL DIGITAL DA

## SPECIFICATIONS

### SERIAL DIGITAL VIDEO INPUT:

Standards:	
Composite:	143Mb/s, SMPTE 259M-A
Component:	270Mb/s, SMPTE 259M-C
Impedance:	75Ω
Return Loss:	>18dB
Signal Level:	800mV±1%
CMR:	30Vp-p, up to 60Hz
Connectors:	BNC

### SERIAL VIDEO OUTPUTS:

Number of Outputs:	6
Standards:	Same as input
Connectors:	BNC
Impedance:	75Ω, ±1%
Return Loss:	>15dB
Signal Level:	800mV to 1000mV
Output Level Adj.:	600mV to 1100mV
DC Offset:	0V±0.5V
Rise & Fall Time:	1ns ±250ps
Equalization:	Automatic up to >30dB
Overshoot:	<10% of Amplitude
Through Delay:	10ns
Input Cable Length, Max:	500 ft

### FRONT CONTROLS & INDICATORS:

Power:	Green LED
No Signal:	Red LED
Signal Threshold:	Potentiometer
A Gain:	Potentiometer
B Gain:	Potentiometer

### ENVIRONMENTAL:

Temperature:	0° to 50°C Ambient
Humidity:	10% to 90% non-condensing
Power:	2.5W

### DIMENSIONS:

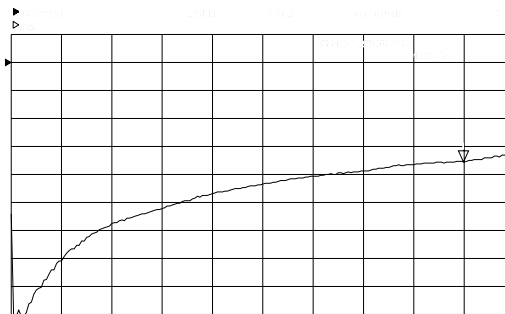
Height:	1 Inch
Width:	5.5 Inches
Depth:	9.25 Inches
Weight:	2 Lbs., 7 Oz.



PRT-700 RACK TRAY



LEI-555 REAR PANEL



Return Loss Chart